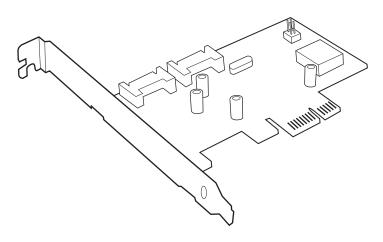


User Guide

2 Ports SATA II RAID5/JBOD PCI Express Controller (AD2SA3GPX1)



Specifications

Chip Set: Silicon Image Sil3132 Integrated Host Controller

Interface: PCI-Express Bus Compatible

I/O Ports: 2 SATA Ports

Regulatory approvals: FCC, CE

Features:

- Supports Serial ATA Generation 2 transfer rate of 3.0 Gbps (300 Mb/s)
- Supports First-Party DMA Commands for NCQ (Native Command Queuing)
- · Supports 1-lane 2.5Gbps PCI Express
- · Supports RAID0, 1, 5, and 10 using Silicon Image SATARAID5 Array Manager
- · Supports individual drive mode
- Fully compliant with Serial ATA 1.0a and Serial ATA II Extensions to Serial ATA 1.0a Specifications revision 1.1
- Hot-plug capability
- · Port Multiplier Compatible

v4.1.11

Technical Support

If you need any assistance to get your unit functioning properly, please have your product information ready and contact Addonics Technical Support at:

Hours: 8:30 am - 6:00 pm PST

Phone: 408-453-6212

Email: http://www.addonics.com/support/query/

RAID Described:

Stripe (RAID 0): Greatly increases the performance of data transfer by simultaneously writing data to 2 or more drives.

Mirror (RAID 1): Duplicates or mirrors the data on both drives. No data will be lost if one of the drives fails.

Mirror-Striping (RAID 1+0): Combined both Striping and Mirroring technologies to provide both the performance enhancements that come from Striping and the data availability and integrity that come from Mirroring.

Parity (RAID 5): Adds fault tolerant to disk striping by including parity information with the data.

Installation:

Software Installation:

Note: Install the SATARAID5 array manager utility from the CD that came with your package first before installing the SATA Host Controller.

- A. From the CD start-up menu select Auto Play > SATA RAID Utilities > Model #AD2SA3GPX1.
- B. Unzip the file on your drive. Folder name is SATARAID5 Utility 3132.
- C. On the GUI folder install 3132-W-I32-R_15180b.msi (SATARAID5 software).
- D. From the CD start-up menu select SATA Adapters > Model # AD2SA3GPX1.
- E. Unzip the file on your drive. Folder name is 3132r5.

Hardware Installation:

- 1. Power off PC and remove its cover.
- Select an empty PCI-E slot and insert the SATA host controller.
- 3. Makes sure to secure the bracket with a screw.
- Close the PC's cover.

Windows 2000, XP, 2003, 2008 Server Driver Installation:

- Turn computer ON. When Windows boots up, "A New Hardware Found" pops on the screen and the Addonics Serial ATA PCI Host Controller is identified.
- At the "Add New Hardware Wizard Window, click "Next"
- Choose "Select for the best driver for your devices", and click "Next"
- Navigate to the folder where you extracted the 3124r5 driver.
- If using a driver that has not been digitally signed by Microsoft, you will be asked if you want to continue the installation. Click Continue.
- When the new hardware wizard has finish installing the Serial ATA card. Click "Finish" to complete the installations.

Confirming Serial ATA Driver Installation:

- Right click the My Computer icon and select Manage.
- 2. Click Device Manager in the Menu Tree.
- Click the "+" sign in front of SCSI controllers. Silicon Image SoftRAID5 controller should appear.

Important Note:

- To do a RAID SET with 2 SATA drives directly connected to the SATA ports on the controller card, you can press F4 or CTRL+S from the boot up screen. Read and follow the instruction inside the BIOS screen
- You can also install the SATA GUI utility under Windows to monitor the RAID Set. It is under the Utility section of the driver disc.
- If you have a port multiplier (PM) with 5 drives and connect the PM to the SATA controller
 card, in the RAID BIOS of the SATA controller card, it will only display 1 drive and that is the
 drive connected to port 1 on the PM. To see all 5 drives, you would need to be inside the
 operating system disk utility.